

## An Entomologist in Radnorshire, 1971

By L. K. EVANS

From 17th to 23rd July last year I was fortunate to be able to explore entomologically the little-known county of Radnorshire. My collecting having been previously confined almost entirely to the southern part of England, I considered this a venture into the unknown, and I found the experience both exciting and enjoyable.

In view of the short time at my disposal I chose for working what I considered the most extreme habitats ecologically and the most widely separated geographically. As many of the national survey's 10 km. squares were covered as possible. As a lepidopterist I concentrated on the moths, but also took for identification examples of other orders: these were collected more or less casually.

Entomologically, Radnorshire must be among the most neglected counties in Britain, hence I have thought it worthwhile to detail the insects observed in full, as far as it has been possible to have them determined. In this I follow the format of Chalmers-Hunt (1969), who reported on an expedition to neighbouring Breconshire. Even for the macrolepidoptera, the only published account of the Radnorshire fauna of which I am aware is that of Gordon Smith (1953), and the records contained therein are almost entirely the work of the Reverend F. M. B. Carr between 1911 and 1913. Of the 166 "macros" observed by me in 1971, no less than 88 do not appear on that list, which gives some idea of the extent of our knowledge on this subject!

Despite its very beautiful scenery, Radnorshire is ecologically a rather uniform county. There is a marked lack of all kinds of deciduous woodland, and the sheep-grazing practised on almost all areas of upland reduces the diversity of habitats available to insects. It is perhaps not surprising to record, therefore, that nothing really startling was observed. Nevertheless, some moths did turn up unexpectedly: *Leucania straminea* Treits., abundantly at Newbridge; *Apatele alni* L., a melanic at an exceptionally late date; *Apamea scolopacina* Esp., and *Lygephila pastinum* Treits. One *Hemistola immaculata* Thunb. was taken in the marsh at Rhosgoch—a most unexpected capture for this type of locality. As a southern collector, I was also delighted to see such species as *Plusia bractea* D. & S., *P. interrogationis* L., and *Apamea furva* D. & S.

Of the localities visited, 4 sites were sampled with mercury-vapour apparatus:

HUNDRED HOUSE (10 km. square, 32/15). Sheep-grazed hillside with bracken, few trees, some boggy spots. 17th to 22nd July. Traps sited variously at 700 ft., 950 ft., and 1,050 ft., but not all on the same nights, so no direct comparisons possible.

NEWBRIDGE-ON-WYE (32/05). Marshy area and mixed woodland adjacent to the River Wye, altitude 450 ft. 19th and 21st July.

LLANDEILO GRABAN (32/04). Open *Calluna/Vaccinium* moor, with bracken and stunted hawthorn. Altitude 1,200 ft. 20th July.

RHOSGOCH (32/14). Swampy area with *Typha*, *Alnus* and adjacent pasture. Altitude 800 ft. 23rd July.

More casual recording was also carried out at Aberedw (road-side verges); Felindre, Ddôl (1,300 ft.), Moelfre, New Radnor, and Littlehill Common near Llanbister (1,200 ft.).

### Acknowledgments

The following gentlemen have been most helpful in undertaking a number of determinations and I would like here to gratefully acknowledge their expert assistance: P. J. Chandler, J. M. Chalmers-Hunt, P. N. Crow, L. H. Evans, E. Lewis, and P. E. S. Whalley. I would also like to record my appreciation of the hospitality shown to me by Mr and Mrs Ivor Davies of Hundred House whose home was used as a base for many nocturnal comings and goings. I am also in receipt of a most generous benefaction from Magdalene College, Cambridge, towards the cost of the trip.

## MACROLEPIDOPTERA

### Papilionoidea

*Pieris brassicae* L., Hundred House, 17.7. *P. rapae* L., Hundred House. *P. napi* L., Hundred House; Aberedw; Newbridge; Rhosgoch. *Maniola jurtina* L., Hundred House; Aberedw; Newbridge; Littlehill Common; Moelfre; Rhosgoch. *Coenonympha pamphilus* L., Hundred House; Littlehill Common—rather pale specimens. *Aglais urticae* L., Hundred House; Newbridge. *Vanessa atalanta* L., Felindre, 21.7, one. *Nymphalis io* L., New Radnor, larvae on *Urtica dioica*. *Argynnis aglaja* L., Hundred House, 17.7, one. *Clossiana euphrosyne* L., Rhosgoch, 23.7, many, very worn. *Ochlodes venata* Brem. & Grey, Hundred House; Aberedw; Newbridge; Rhosgoch. *Thymelicus sylvestris* Poda, Hundred House; Aberedw; Newbridge.

### Sphingoidea

*Loathöe populi* L., Hundred House; Newbridge; Rhosgoch. *Deilephila elpenor* L., Hundred House; Newbridge; Llandeilo. *D. porcellus* L., Rhosgoch, one.

### Notodontoidea

*Pheosia tremula* Clerck, Rhosgoch, two. *P. gnoma* Fab., Hundred House; Newbridge; Llandeilo; Rhosgoch, very common. *Notodonta ziczac* L., Hundred House; Newbridge; Rhosgoch, abundant. *N. dromedarius* L., Newbridge; Rhosgoch. *Lophopteryx capucina* L., Rhosgoch, abundant; Hundred House; Newbridge; Llandeilo. *Phalera bucephala* L., Hundred House; Newbridge. *Stauropus fagi* L., Newbridge, 21.7, one.

**Drepanoidea**

*Drepana falcataria* L., Newbridge, one. *D. lacertinaria* L., Rhosgoch, one.

**Bombycoidea**

*Macrothylacia rubi* L., Hundred House, larvae. *Philudoria potatoria* L., Hundred House, Newbridge. *Euproctis similis* Fuessly, Newbridge. *Nola cuculatella* L., Llandeilo, one at m.v.l. *Nudaria mundana* L., Hundred House, frequent flying along stone walls at dusk. *Thumatha senex* Hubn., Rhosgoch, two. *Lithosia lurideola* Zinck., Rhosgoch, one. *Cybosia mesomella* L., Newbridge, two. *Spilosoma lubricipeda* L., Hundred House; Newbridge. *S. lutea* Hufn., Hundred House; Llandeilo; Rhosgoch. *Arctia caja* L., Hundred House; Newbridge; Rhosgoch.

**Noctuoidea**

*Thyatira batis* L., Newbridge. *Agrotis puta* Hubn., Hundred House. *A. exclamationis* L., Hundred House; Newbridge; Llandeilo; Rhosgoch. *Lycophotia varia* de Vill., Hundred House, 2; Llandeilo, ca. 350, including many brightly-marked forms; Newbridge; Rhosgoch. *Graphiphora augur* Fab., Hundred House, 6; Newbridge, 4; Rhosgoch, 8; almost all taken at a 6W actinic tube. *Diarsia brunnea* D. & S., Hundred House; Newbridge; Rhosgoch. *D. mendica* Fab., Llandeilo, abundant, including many very small examples; Hundred House; Newbridge; Rhosgoch. ?*D. rubi* View., Newbridge, 19.7, 2; Rhosgoch, 23.7, 5, all worn: probably referable to f. (?sp.) *florida* Schmidt. *Ochropleura plecta* L., Hundred House; Newbridge; Llandeilo; Rhosgoch. *Amathes baja* D. & S., Hundred House; Newbridge; Llandeilo; Rhosgoch—common and extremely variable in ground colour. *A. c-nigrum* L., Hundred House; Rhosgoch. *A. ditrapezium* D. & S., Hundred House, 14; Newbridge, 13; Llandeilo, 4; Rhosgoch, 3—apparently a common insect. *A. triangulum* Hufn., Hundred House; Newbridge; Rhosgoch. *Axylia putris* L., Hundred House; Newbridge; Rhosgoch. *Anaplectoides prasina* D. & S., Hundred House; Newbridge; Rhosgoch. *Euschesis janthina* D. & S., Hundred House. *Noctua pronuba* L., Hundred House; Newbridge; Llandeilo; Rhosgoch. *Lampra fimbriata* Schreber, Newbridge; Rhosgoch. *Anarta myrtilli* L., Llandeilo, larva on *Calluna*. *Melanchra persicariae* L., Newbridge; Rhosgoch. *Polia nebulosa* Hufn., Hundred House; Newbridge, including one very pale specimen. *Diataraxia oleracea* L., Hundred House; Newbridge; Rhosgoch. *Ceramica pisi* L., Hundred House, including almost obsolete forms; Newbridge; Llandeilo; Rhosgoch. *Hada nana* Hufn., Llandeilo, 1. *Hadena thalassina* D. & S., Hundred House, 1; Newbridge, 1. *H. rivularis* Fab., Newbridge. *Cerapteryx graminis* L., Hundred House, plentiful at 700 ft., scarce at higher, sheep-grazed levels; Newbridge. *Leucania pallens* L., Hundred House; Newbridge; Llandeilo; Rhosgoch. *L. impura* Hubn.,

Hundred House; Newbridge; Rhosgoch. *L. straminea* Treits., Newbridge, very plentiful amongst *Phragmites*. *L. lithargyria* Esp., Hundred House; Newbridge. *Cucullia umbratica* L., Newbridge, 3; Rhosgoch, 2. *C. verbasci* L., Aberedw, roadside *Verbascum* plants mostly destroyed by larvae. *Xylena vetusta* Hubn., Rhosgoch, a larva. *Bombycia viminalis* D. & S., Hundred House; Newbridge; Rhosgoch. *Apatele leporina* L., Moelfre, 2 larvae on *Alnus glutinosa*. *A. megacephala* D. & S., Hundred House; Newbridge. *A. alni* L., 21.7, Newbridge, 1 melanic ab. *steinerti* Caspari. *A. psi* L., Llandeilo, ♂; Newbridge, ♂; both gen. det. LKE. *A. rumicis* L., Hundred House; Newbridge. *Craniophora ligustri* D. & S., Hundred House, 18.7, ♀. *Rusina ferruginea* Esp., Hundred House, 20.7, 1. *Apamea lithoxylea* D. & S., Hundred House; Newbridge; Rhosgoch. *A. monoglypha* Hufn., Hundred House; Newbridge; Llandeilo; Rhosgoch. *A. epomidion* Haw., Hundred House, 1. *A. crenata* Hufn., Hundred House, common and variable; Newbridge; Rhosgoch. *A. remissa* Hubn., Hundred House, 2 at 950 ft., 2 at 700 ft.; Newbridge, 6; Rhosgoch, 5. *A. furva britannica* Cockayne, Hundred House, 7 at 1,050 ft., 1 at 950 ft.; Llandeilo, 1 at 1,200 ft. *A. scolopacina* Esp., Newbridge, 4; Hundred House, 3. *A. secalis* L., Hundred House; Newbridge; Rhosgoch. *Procus strigilis* Clerck, Hundred House, ♂; Newbridge, 2 ♂♂, gen. det. LKE. *P. latruncula* D. & S., Newbridge, 3 ♂♂; Llandeilo, ♂; Hundred House, ♂; all gen. det. LKE. *P. versicolor* Borkh., Newbridge, 3 ♂♂, ♀; Llandeilo, ♂; Hundred House, ♂; all gen. det. LKE. *P. fasciuncula* Haw., Newbridge. *Euplexia lucipara* L., Hundred House; Newbridge. *Phlogophora meticulosa* L., Hundred House; Rhosgoch. *Petilampa minima* Haw., Hundred House; Newbridge; Rhosgoch. *Caradrina morpheus* Hufn., Rhosgoch. *C. alsines* Brahm., Newbridge; Hundred House, uncommon. *C. blanda* D. & S., Hundred House; Newbridge, plentiful, including 1 heavily suffused specimen. *C. clavipalpis* Scop., Hundred House, 1. *Nonagria typhae* Thunb., Newbridge, larvae in *Typha latifolia*. *Cosmia trapezina* L., Rhosgoch. *Euclidimera mi* L., Hundred House, a larva amongst grasses. *Polychrisia moneta* Fab., Newbridge, 19.7, 1. *Plusia chrysitis* L., Hundred House; Newbridge; Llandeilo. *P. bractea* D. & S., Newbridge, 3; Hundred House, 2. *P. festucae* L., Hundred House, 1; Newbridge, 6; Rhosgoch, 7. *P. jota* L., Hundred House; Newbridge; Llandeilo; Rhosgoch—generally abundant, with much variation in ground colour and the development of the Y-mark. *P. pulchrina* Hubn., Hundred House; Newbridge; Llandeilo, especially common; Rhosgoch—much variation in the development of the Y-mark. *P. gamma* Hubn., Hundred House, 18.7, 1, 22.7, 1; Newbridge, 19.7, 2; Rhosgoch, 23.7, 5. *P. interrogationis* L., Llandeilo, 1; Rhosgoch, 1. *Unca triplasia* L., Hundred House; Newbridge; Rhosgoch. *Lygephila pastinum* Treits., Hundred House, 1; Newbridge, 3. *Rivula sericealis* Scop., Hundred House; Newbridge; Llandeilo; Rhosgoch, abundant. *Hypena proboscidalis* L., Hundred House; Newbridge. *Zan-*

*clognatha tarsipennalis* Treits., Newbridge. *Z. nemoralis* Fab., Hundred House; Newbridge.

### Geometroidea

*Hemistola immaculata* Thunb., Rhosgoch, 1. *Geometra papilionaria* L., Hundred House; Newbridge; Rhosgoch. *Pseudopteryx pruinata atropunctaria* Walker, Hundred House; Newbridge; Littlehill Common; Rhosgoch; Llandeilo. *Calothyrsanis amata* L., Hundred House. *Sterrrha dimidiata* Hufn., Hundred House; Newbridge. *S. straminata* Borkh., Hundred House, 18.7, 1. *S. aversata* L., Hundred House; Newbridge; Llandeilo. *S. biselata* Hufn., Hundred House; Newbridge. *Xanthorhoe montanata* D. & S., Rhosgoch, 23.7, abundant and in very fresh condition. *X. ferrugata* Clerck, Hundred House; Newbridge. *X. spadicearia* D. & S., Hundred House. *X. designata* Hufn., Newbridge, 2. *Orthonama lignata* Hubn., Rhosgoch, 5. *Ortholitha plumbaria* Fab., Llandeilo; Littlehill Common, abundant. *Colostygia pectinataria* Knoch., Hundred House; Newbridge; Llandeilo; Littlehill Common; Moelfre; Rhosgoch. *Perizoma alchemillata* L., Newbridge, 2. *Lyncometra ocellata* L., Hundred House; Newbridge. *Lygris pyraliata* D. & S., Hundred House; Newbridge; Llandeilo; Littlehill Common; Rhosgoch, very abundant. *L. populata* L., Newbridge, 3; Rhosgoch, 1; Llandeilo, swarming at dusk over *Vaccinium myrtillus*. *L. testata* L., Llandeilo, reared from larvae found on *Vaccinium* and *Calluna*. *Cidaria fulvata* Forst., Newbridge. *Thera obeliscata* Hubn., Newbridge, 1. *Hydriomena furcata* Thunb., Hundred House; Newbridge; Rhosgoch. *Odezia atrata* L., Hundred House, 21.7, by day, ♀. *Epirrhoë alternata* Mull., Hundred House; Newbridge; Littlehill Common; Rhosgoch. *Eupithecia pulchellata* Steph., Hundred House. *E. nanata angusta* Prout, Llandeilo, 20.7, 1. *E. castigata* Hubn., Llandeilo. *E. lariciata* Freyer, Newbridge, 19.7, 1, and two "probables". *Chloroclystis rectangulata* L., Hundred House, 1, melanic. *C. coronata* Hubn., Newbridge. *Gymnoscelis pumilata* Hubn., Hundred House; Rhosgoch. *Abraxas grossulariata* L., Hundred House; Newbridge. *Lomaspilis marginata* L., Hundred House; Newbridge; Llandeilo; Rhosgoch. *Deilinia pusaria* L., Hundred House; Newbridge; Rhosgoch. *D. exanthemata* Scop., Newbridge, 3. *Ellopija fasciaria* L., Hundred House, 1; Llandeilo, 1; Newbridge, commonly. *Campaea margaritata* L., Hundred House; Newbridge, plentiful; Rhosgoch. *Selenia bilunaria* Esp., Hundred House; Rhosgoch. *Apeira syringaria* L., Newbridge, 21.7, 1. *Crocallis elinguaris* L., Hundred House; Newbridge. *Ourapteryx sambucaria* L., Hundred House; Newbridge; Rhosgoch. *Opisthograptis luteolata* L., Newbridge; Llandeilo. *Semiothisa liturata* Clerck, Hundred House; Newbridge, abundantly; Llandeilo. *Biston betularia* L., Hundred House; Newbridge; Llandeilo; Rhosgoch—a total of 8 type specimens, and 1 f. *insularia*. *Alcis repandata* L., Hundred House; Newbridge; Rhosgoch. *Bupalus piniaria* L., Newbridge, 2. *Itame wauaria* L., Newbridge, 1;

Rhosgoch, 1.

### Zygaenoidea

*Zygaena trifolii* Esp. (ssp. *decreta* Vty.), Newbridge, 1, very large specimen. *Z. lonicerae transferens* Vty., Rhosgoch, 1.

### Hepialoidea

*Hepialus humuli* L., Hundred House, commonly, including empty pupa case projecting from anthill; Aberedw; Newbridge, ♂♂ at dusk. *H. fusconebulosa* de Geer., Llandeilo, 4 at dusk; Hundred House, 1; New Radnor—2 pupa cases projecting from a mossy bank. *H. hecta* L., Hundred House, 17.7, ♂ at dusk.

### MICROLEPIDOPTERA

(det. J. M. Chalmers-Hunt unless otherwise indicated)

*Crambus perlellus* Scop. (det. LKE), Newbridge. *C. tristellus* Fab., Hundred House; Rhosgoch. *C. culmellus* L., Newbridge; Llandeilo; Hundred House; New Radnor; Ddôl; Littlehill Common—occurring in swarms wherever the grass escaped grazing. *C. inquinatellus* D. & S., Hundred House, abundant; Newbridge; Llandeilo; Littlehill Common; New Radnor. *C. hortuellus* Hubn., Newbridge; Llandeilo; Rhosgoch. *C. pascuellus* L., Hundred House; Littlehill Common; Newbridge. *C. margaritellus* Hubn., Rhosgoch, 1. *Aphomia sociella* L. (det. LKE), Hundred House; Newbridge; Llandeilo. *Sylepta ruralis* Scop. (det. LKE), Hundred House; Newbridge; Rhosgoch. *Harpalis olivalis* D. & S. (det. LKE), Hundred House; Rhosgoch. *H. lutealis* Hubn., Hundred House; Llandeilo; Aberedw. *H. prunalis* D. & S., Newbridge. *Rhodaria purpuralis* L., Hundred House, 22.7, 1. *R. cespitalis* D. & S., Newbridge, 1. *Pyralis costalis* Fab., Hundred House. *Nomophila noctuella* D. & S., Newbridge, 21.7, several. *Dioryctria abietella* Fab., Newbridge, 1. *D. fusca* Haw., Newbridge, 1. *Platyptilia pallidactyla* Haw., Rhosgoch, 23.7, 2. *Stenoptilia bipunctidactyla* Scop. (det. LKE), Rhosgoch, 3. *Alucita pentadactyla* L., Newbridge.

*Tortrix unifasciana* Dup., Hundred House, ♀. *T. loeflingiana* L., Llandeilo; Newbridge. *T. viridana* L. (det. LKE), Newbridge. *Pandemis heparana* D. & S., Hundred House; Llandeilo; Rhosgoch. *P. corylana* Fab., Hundred House. *P. ribeana* Hubn., Hundred House, 22.7, 1. *Carcina quercana* Fab., Newbridge. *Cacoecia podana* Scop., Newbridge. *C. xylostearia* L., Newbridge. *Philedone gerningana* D. & S., Littlehill Common, 21.7, 2. *Argyroploce lacunana* Dup., Hundred House; Newbridge; Aberedw; Llandeilo. *A. nubiferana* Haw., Hundred House; Newbridge; Llandeilo; Rhosgoch. *A. striana* D. & S., Newbridge, 19.7, 1. *Argyrotoxa bergmanniana* L., Newbridge; Rhosgoch. *A. conwagana* Fab., Llandeilo; Aberedw; Hundred House; Newbridge; Rhosgoch. *Laspeyresia ulicetana* Haw., Newbridge; Ddôl, many amongst *Ulex*. *L. woerberiana* D. & S., Rhosgoch. *Euxanthia hamana* L., Hundred House. *E. angustana* Hubn., Ddôl. *Bactra lanceolana* Hubn., Rhosgoch. *Acroclita*

*naevana* Hubn., Llandeilo. *Cnephasia osseana* Scop., Llandeilo, very numerous; Newbridge; Rhosgoch.

*Sophronia semicostella* Hubn., Hundred House. *Acedes semifulvella* Haw., Newbridge. *Pleurota bicostella* Clerck., Llandeilo, 20.7, several. *Endrosis sarcitrella* L., Hundred House, in dwellings and at m.v.l. *Borkhausenia pseudospretella* Staint., Rhosgoch. *Argyresthia goedartella* L., Littlehill Common, many flying around isolated birches; Llandeilo.

### TRICHOPTERA

(All det. P. E. S. Whalley)

All taken at m.v.l.

*Limnephilus luridus* Curt., Rhosgoch, 4. *L. centralis* Curt., Rhosgoch, 1; Hundred House, 1. *L. lunatus* Curt., Hundred House, 1; Llandeilo, 1; Rhosgoch, 2; *L. auricula* Curt., Hundred House, 2. *L. sparsata* Curt., Hundred House, 1. *Glyphotaelius pellucidulus* Retz., Rhosgoch, 1. *Polycentropus flavomaculatus* Pictet, Rhosgoch, 1. *Athripsodes dissimilis* M'Lach., Newbridge, 1. *Oecetis testacea* Curt., Newbridge, 1. *Lepidostoma hirtum* Fab., Hundred House, 1; Newbridge, 1. *Stenophylax sequax* M'Lach., Hundred House, 1. *Potamophylax latipennis* Curt., Hundred House, 2; Newbridge, 1. *Hydropsyche instabilis* Curt., Hundred House, 1; Newbridge, 1; Rhosgoch, 4. *H. pellucidula* Curt., Rhosgoch, 1.

### NEUROPTERA

(det. P. E. S. Whalley)

*Hemerobius stigma* Steph., Newbridge, 1; Rhosgoch, 1.

### COLEOPTERA

(det. E. Lewis unless otherwise indicated)

*Tachinus marginellus* Fab., Hundred House, swept. *Sitona puncticollis* Steph., Hundred House, 22.7, 3 in an m.v. trap. *Phyllobius virideaeris* Laich., Aberedw, on *Linaria vulgaris*. *Rhinoncus pericarpus* L., Hundred House, on thistles. *Ceuthorrhyncus* sp (?*asperifoliarum* Gyll.), Hundred House, on thistle. *Gymnetron antirrhini* Pk., Aberedw, numerous on *Linaria vulgaris*; Newbridge. *Phytonomus rumicis* L., Hundred House, 18.7, a pupa, reared 29.7.

*Aphodius rufipes* L., Hundred House; Newbridge; Llandeilo; Rhosgoch, abundant at light. *A. fimetarius* L., Hundred House, 22.7, 2 at m.v.l. *Serica brunnea* L., Llandeilo, 20.7, found very abundantly after dark with the aid of a lantern, crawling over grazed grassy patches on a *Calluna* moor, many pairs *in copula*. *Helophorus minutus* Fab., New Radnor, 2 on the wall of an Inn; Hundred House, 1 under a stone in a small stream.

*Carabus granulatus* L., Hundred House, 1 on the front doormat. *C. problematicus* Hubn. (det. L. H. Evans), Hundred House, under moth trap, 22.7. *Notiophilus biguttatus* Fab., New Radnor, numerous on a mossy bank. *Nebria brevicollis* Fab., Hundred House; Newbridge; Llandeilo. *Pterostichus madidus*

Fab., Hundred House; Llandeilo. *P. niger* Schal., Hundred House; *P. vulgaris* L., Hundred House. *Agonum mülleri* Hbst., Llandeilo, 1.

*Gastroidea viridula* de Geer, Aberedw, on *Linaria vulgaris*. *Luperus longicornis* Fab., Hundred House, Rhosgoch. *Gallerucella lineola* Fab., Rhosgoch, 2 swept. *Aphthona venustula* Kuts., Hundred House, swept. *Cantharis fulvicollis* Fab., Rhosgoch, swept. *Anobium punctatum* D.G., Hundred House, in buildings.

*Trichius fasciatus* L., Hundred House, 17.7, 2 flying in bright sunshine, netted in error for the bee *Bombus muscorum* L. *Necrodes littoralis* L., Hundred House, 22.7, 3 at m.v.l. *Necrophorus investigator* Zett., Newbridge, at m.v.l. *Attagenus pellio* L., Hundred House. *Telmatophilus typhae* Fall., Newbridge, on *Typha latifolia*. *Lathridius nodifer* West, New Radnor, 1 on the wall of an Inn.

*Cassida rubiginosa* Mull. (det. L. H. Evans), Hundred House, larvae on thistle, bred. *Coccinella septempunctata* L. (det. L. H. Evans), Hundred House. *Anisosticta 19-punctata* L., Rhosgoch, swept from alders. *Cateretes rufilabris* Lat., Newbridge, on *Linaria vulgaris*.

## DIPTERA

(All det. P. J. Chandler)

*Xylota sylvarum* L., Newbridge. *Scaeva pyrastris* L., Hundred House. *Hybomitra distinguenda* Verr., Newbridge. *Platycheirus albimanus* F., Newbridge. *Eristalis arbustorum* L., Rhosgoch. *Haematopota pluvialis* L., Rhosgoch. *Hydrotaea irritans* Fall., Llandeilo; Littlehill Common. *Pallenia vespillo* F., Rhosgoch. *Empis livida* L., Rhosgoch. *Chrysopilus cristatus* F., Rhosgoch. *Anisopus punctatus* F., Hundred House. *Scatophaga stercoraria* L., Hundred House. *Campylochaeta inepta* Meig., Llandeilo. *Delia trichodactyla* Rdi., Rhosgoch. *Copromyza similis* Collin, Rhosgoch. *Nupedia infirma* Meig., Newbridge. *Tipula lateralis* Meig., Hundred House.

## HYMENOPTERA

*Bombus muscorum* L. (det. P. N. Crow), Hundred House. *Tenthredo balteata* Klug., Llandeilo, ♀. *Athalia lineolata* Lep., Llandeilo (both det. P. J. Chandler).

## REFERENCES

- Chalmers-Hunt, J. M. (1969). Breconshire and Monmouthshire Entomology. *Ent. Rec.*, **81**: 39-46.
- Gordon Smith, S. (1953). Butterflies and Moths found in the County of Radnorshire. *Proc. Chester Soc. Nat. Sci., Literature and Art*, **5**: 5-80.